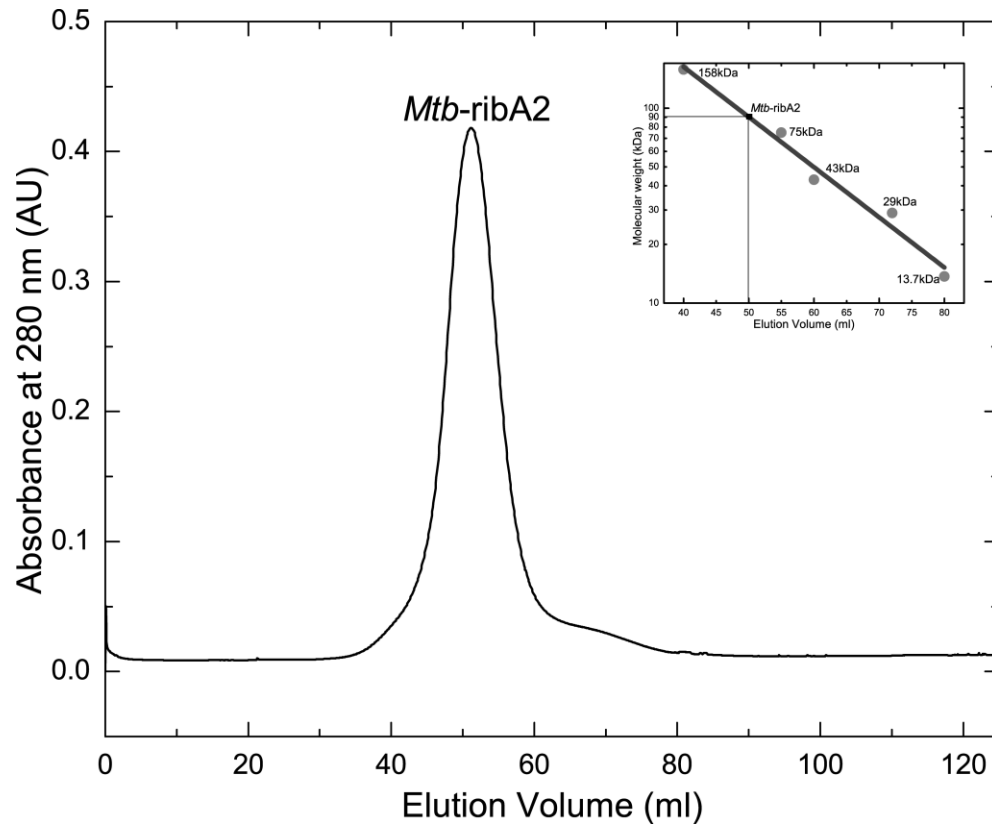
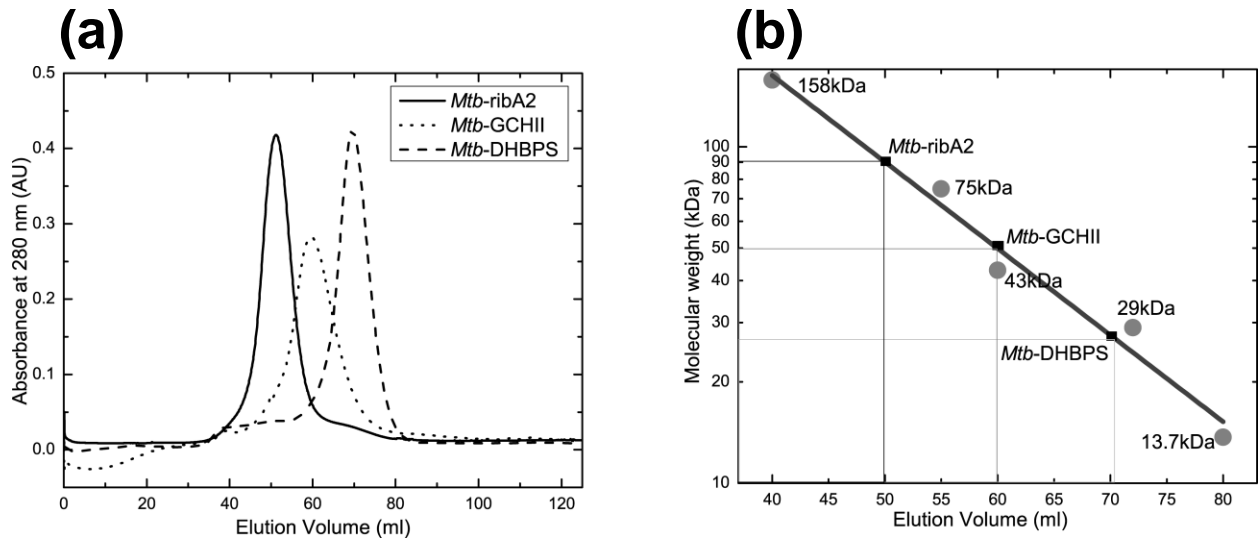


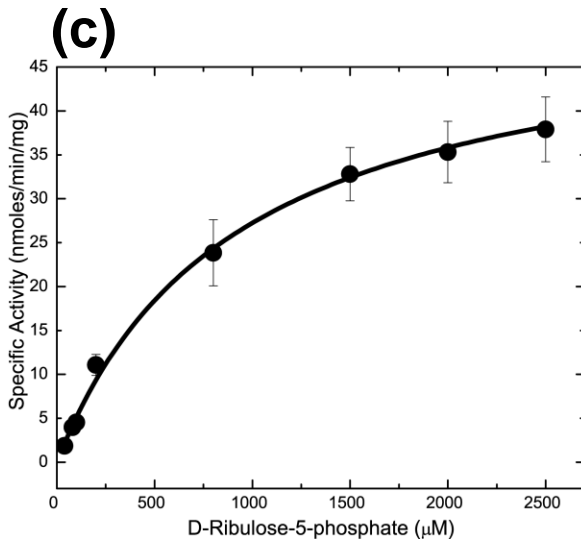
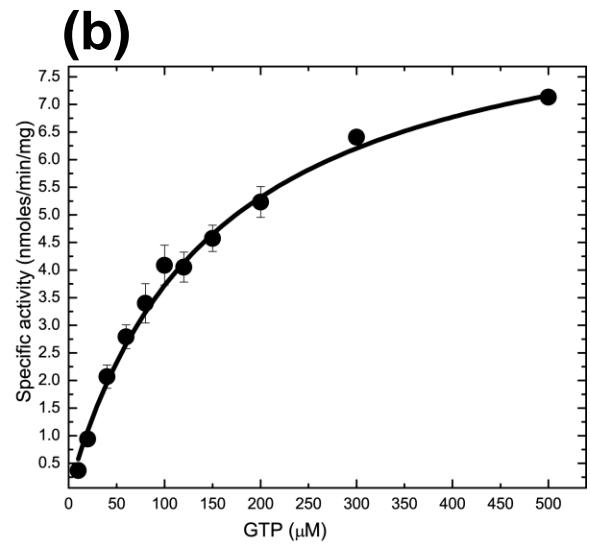
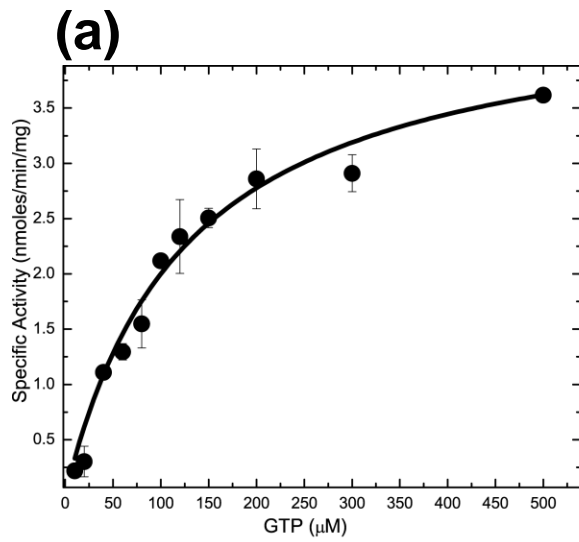
Supplementary Material



Supplementary Figure S1: Gel-filtration analysis of *Mtb-ribA2*. The elution profile of *Mtb-ribA2* in S-200 column. The inset shows the elution profile of standard molecular weight markers in S-200 column.



Supplementary Figure S2: Elution profile of size-exclusion chromatography with S-200 column. (a) for *Mtb-ribA2*, *Mtb-DHBPS* and *Mtb-GCHII* (b) Elution profile of molecular weight standard for S-200 column.



Supplementary Figure S3: Reaction velocity saturation curve against substrate concentration for (a) *Mtb-ribA2* GCHII activity (b) *Mtb-GCHII* activity (c) *Mtb-ribA2* DHBPS activity.